23 October 1964

MEMORANDUM FOR: Director, NPIC

SUBJECT: Approval for Development of a Light-Weight Light Table

REFERENCE: Chief, Administrative Staff, O/DDI, Memorandum dated 4 February 1964: Approval of Research and Development Activities.

In accordance with the authority delegated by paragraph 3 of the reference, approval is requested for development of a Light-Weight Light Table as outlined in Annex "A". If approved, it is proposed that a contract be let with the [redacted] 25X1 25X1

[redacted]
Assistant for Plans and Development, NPIC

APPROVED: _____
ARTHUR C. LUNDAHL
Director, NPIC

_____
Date

Attachment:
Annex "A"

Distribution:
Orig & 1 - LB/SS (1 - PD/OL after signature)
1 - O/D
2 - P&DS/DB

25X1 LB/SS/NPIC/[redacted] 22 October 1964)

Research and Development
Project Approval Request

I. Identification

The development of a Light-Weight Light Table for field use is proposed and is provided for in NPIC's FY-65 Financial Plan at the [redacted] level, under Object Class 700, Category II "Viewers and Other Interpretation Equipment." It falls under advanced light table design in this category.

25X1

II. Objectives

The proposed light tables, although light-weight, will be rugged and compact and would withstand rough handling in shipping. These tables will not be as sophisticated as some of the current models in use at NPIC; however, they are designed for a special purpose and will be superior for use in the field.

Two units will be fabricated for immediate evaluation by PID.

III. Background

A Light-Weight Light Table is needed because of the obvious and numerous occasions for which the P.I. must travel from his centralized work area and his equipment must be shipped to him. In-house equipment, such as the [redacted] Model 918 Light Table, does not stand up to shipping for it is too fragile, heavy and bulky. Such a table often arrives damaged, requiring time and extensive effort for repairs.

25X1

The proposed table would be functional, easily packed for shipment, and will be designed so that important parts such as the light source can be quickly and simply replaced.

IV. Technical Specifications

a. The tables will be as compact and light as possible yet consistent with the requirements for ruggedness. The tables must be able to withstand shock, vibration, etc., which accompanies shipment by air, rail, sea, or truck, as well as the rough treatment encountered in freight terminals.

b. The table will have a high-intensity, encapsulated light grid which can easily be replaced.

c. The intensity of the light source shall be variable from 45 to 900 foot-lamberts without noticeable flicker at any level of intensity.

d. The overall dimensions, without reel brackets, shall not exceed 20 inches in length, 14 7/8 inches in width or 4 inches in height. The lighted viewing surface shall have a useable illuminated area of not less than 9 1/2 by 18 inches.

e. The light table shall be capable of being tilted to an angle of 45° by means of folding legs.

V. Contractor and Financial Arrangements

25X1 [redacted] was selected because of their experience in building rugged light tables and their previous use of their proprietary encapsulated light sources. The Company has proposed to perform the 25X1 work at a cost of [redacted] for two units. It is recommended that an incentive based contract be explored if [redacted] can deliver under 120 days and/or less than 30 pounds. A penalty should be imposed if the development exceeds 120 days or 30 pounds. 25X1

CIA/PID requested the purchase of two such tables in their memorandum to P&DS dated 10 August 1964.

VI. Security

This contract should be handled on an [redacted] Confidential basis. 25X1
The required security procedures are in effect at the contractor's plant
25X1 as the result of previous [redacted] contracts.

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25X1

25X1

[redacted]

U. S. Government
Washington, D. C.

13 July 1964

25X1 ATT: [redacted]

Subject: Proposed Light Weight 918 Light Table.

This table is proposed to provide a highly portable film viewing device for use on normally available furniture. The table will consist of an 11 x 18 inch viewing area illuminated at a surface brightness of approximately 1000 ft. lamberts and dimmable to approximately 80 ft. lamberts. Film spool bracket rails will be attached around the periphery of the light surface permitting spool brackets to be attached for viewing film across either dimension. Spool brackets will provide the capability of handling spools up to 7 5/8 inch diameter of any film width up to 9 1/2 inches. Dual film brackets may be used if desired.

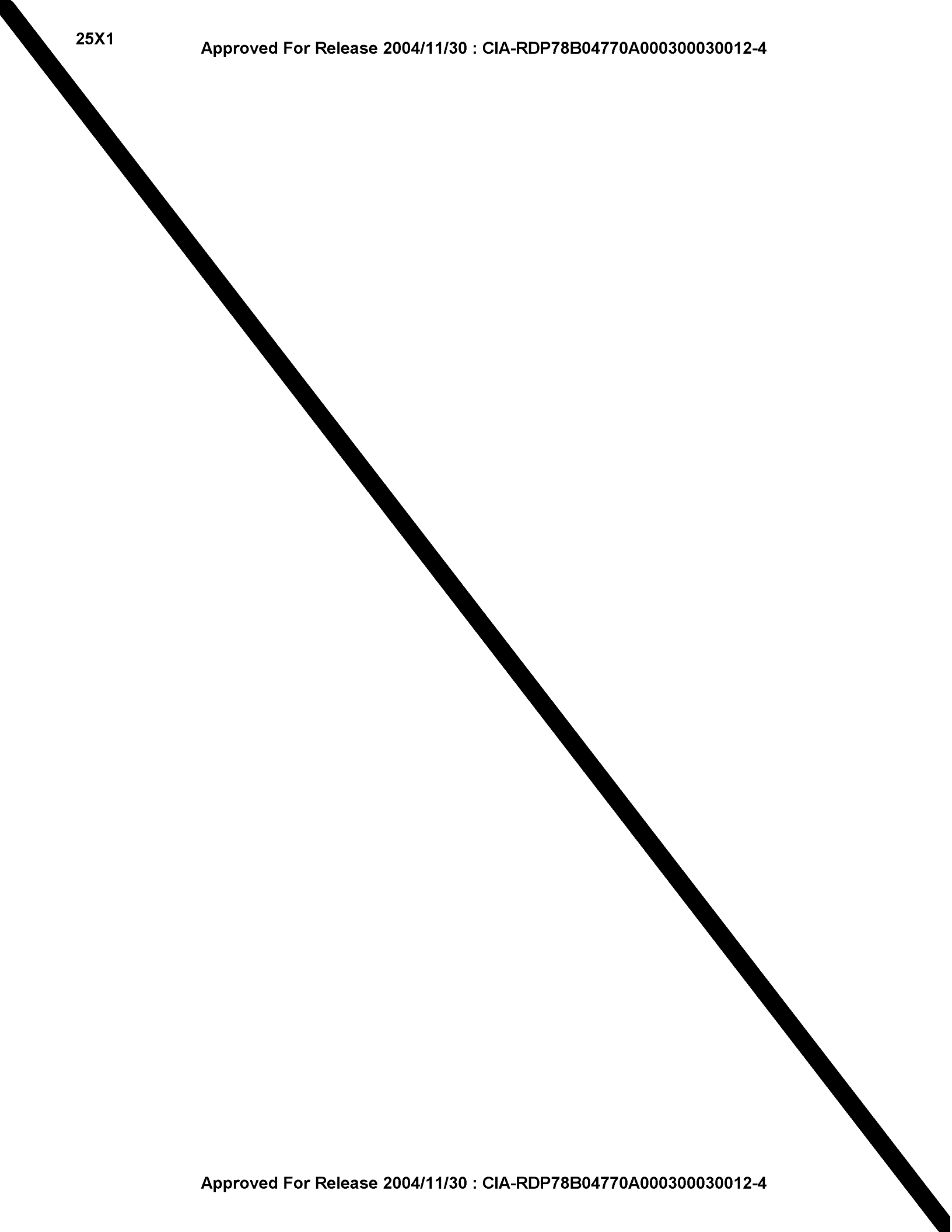
Modes of operation: The table may be operated with the viewing surface in a horizontal plane on a desk or table top with the film presented to the operator in either the "X" or "Y" orientation. On a flat surface film spools larger than 3 3/4 inch diameter will interfere. The viewing surface may be tipped to approximately 45^{o} by extending and locking the hinged legs provided. It is intended that the front spool and bracket extend beyond the edge of the supporting surface thus permitting the use of full 7 5/8 inch diameter spools. The opposite spool and brackets are located on the elevated end of the table. Film is presented to the operator along the 18 inch dimension in the tipped "Y" mode.

Total weight of the table is estimated to be 30 pounds, the overall size with brackets attached is approximately 13 x 34 x 4 1/2 inches.

Very truly yours,

[redacted]

25X1



Approved For Release 2004/11/30 : CIA-RDP78B04770A000300030012-4